

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-27-86

Relating to Certification of New Heavy-Duty Motor Vehicles

MACK TRUCKS, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) greater than 14,000 pounds are certified using diesel-cycle engines listed below:

Model Year: 2001

<u>Engine Manufacturer</u>	<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Engine Model Year and Certification Executive Order No.</u>
Mack Trucks	1MKXH11.9G55	11.9 (728)	2001 A-27-85

Engine and vehicle models and codes are listed on attachments.

BE IT ORDERED AND RESOLVED: That the following are the certification exhaust emission standards or family emission limits (FELs), as applicable, (Title 13, California Code of Regulations, Section 1956.8) and certification exhaust emission values for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP"):

	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulate Matter</u>
Standard	1.2	15.5	4.0	0.10
FEL	N/A	N/A	2.5	0.05
Certification	0.3	1.3	2.3	0.03

BE IT FURTHER RESOLVED: That the above-described certification is subject to the following terms, limitations and conditions:

The above family emission limit(s) (FELs) is an emission level declared by the manufacturer to serve for the averaging, banking and trading program in lieu of an emission standard for certification. It represents the emission standard applicable to this engine family that must be applied when determining compliance of any model within this engine family pursuant to 13 CCR Section 1956.8(b).

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

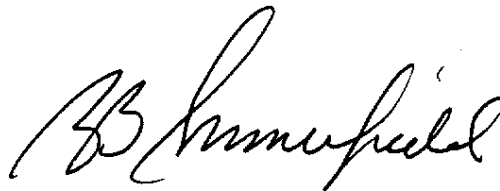
BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models to the running loss and useful life standards listed in Section E.1.(a) of the "California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 8th day of January 2001.



R. B. Summerfield, Chief  
Mobile Source Operations Division

## ATTACHMENT

E1

## LARGE ENGINE EVAPORATIVE EMISSION FORM

A-27-86

Manufacturer: Mack Trucks, Inc.

1. Model Year 2001  
 2. Date 3/16/99  
 3. Process Code New Submission  
 4. Test Data Set Number 1  
 5. EPA Standardized Evaporative Family name 1MKXH1.9G65  
 6. Fuel Other (list below in comment box) (CNG/LNG)  
 7. A.) Evaporative Certification Standard 86.098-11 - Dir Cycle B.) Weight Category GVWR > 26K

## 8. Evaporative Results

	Test 1	Test 2	Test 3
Date of Test	4/13/99		
3 Diurnal g/test	0.856		
2 Diurnal g/test	NR		
Running Loss g/test	NR		
Spit Back g/test	NR		
Pre 1996 Evap Test g/test	NA		

## 9. Evaporative Family/Engine Comparison Information

Evaporative Family Code	Engine Manufacturer	Engine Family	Evaporative Control System
NA			

Natural gas models: CNG/LNG Tank 1 Tank 2 (gallons)

MR 100 50

LE 100 50

or MR 150

LE 150

CH 150 150

CH 150